

**SPECIFICATIONS:**

Analog I/Os: (See Note 1)

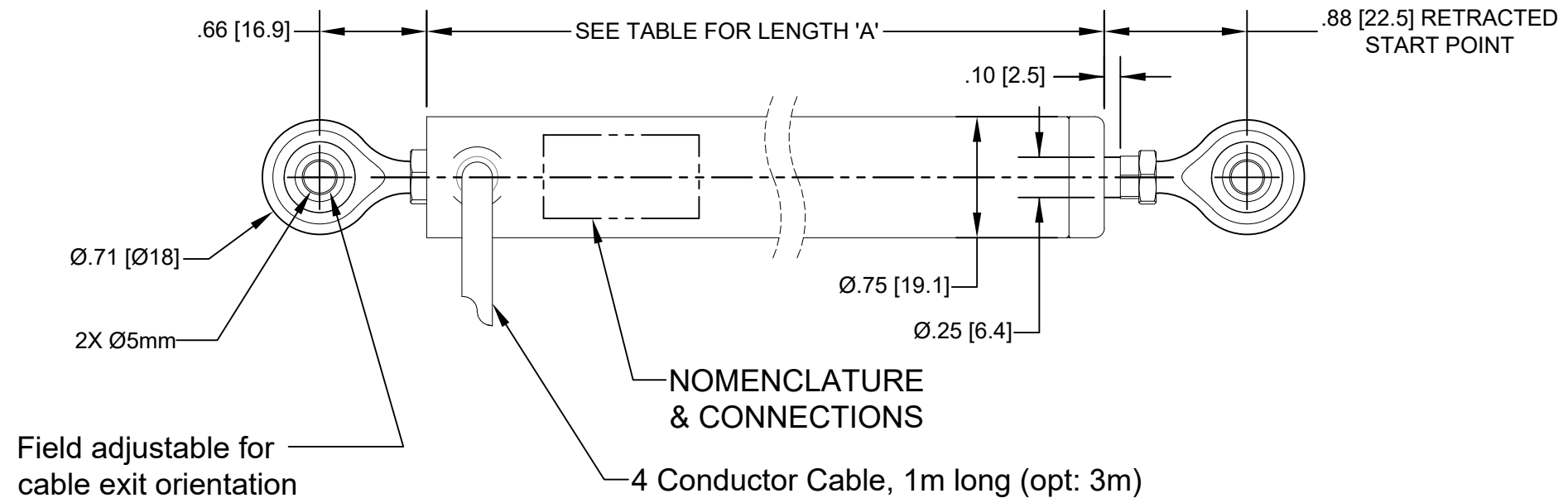
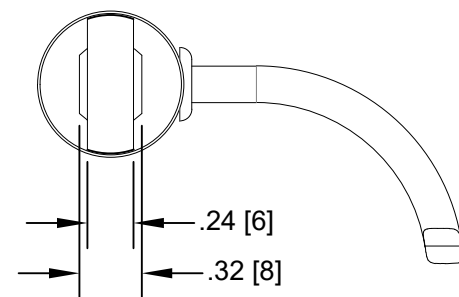
- 0 - 5 V DC output, 8 - 30 V DC input, 35 mA max.
- 0.5 - 4.5 V DC output, 8 - 30 V DC input, 35 mA max.
- 0 - 10 V DC output, 12 - 30 V DC input, 35 mA max.
- 4-20 mA DC, 3-wire sourcing, 18-30 V DC input, 60 mA max. (75 C max)
- Do not connect to 2-wire loop-powered system.

Measuring Ranges: See range table  
 Zero and Full Scale: SenSet Adjustable  
 Linearity Error: ±0.15% of FSO (Full Span Output) typical, ±0.25% max.  
 Resolution: 0.025% of FSO  
 Update Rate: 300 Hz nominal  
 Operating Temperature Range: -20 to 85 C (-40 to 105 C extended temp.)  
 Temperature coefficient: ≤±0.015% of FSO/K  
 Humidity: 95% RH non-condensing  
 Vibration: 5 - 20 Hz, 0.5 inch p-p; 20 - 2000 Hz, 4.2 g p-p  
 Shock: 1000 g, 11 msec.  
 Sealing: IEC IP-67

Note 1: Analog output is maximum with rod extended;  
 see technical data sheet to specify reversed output.

Specifications are subject to change without notice.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	Edit Unit Length table dims by adding .25 to Body Length, and edit Connection table	08-12-14	EH
B	Update Specifications	02-06-15	EH
C	Edited Retracted Start Point	10-21-15	EH
D	Unit Length Table & Bushing Housing modified	03-25-16	EH
E	Modified as per ECN 17-212	08-29-17	EH



**UNIT LENGTH TABLE**

NOMINAL RANGE	'A' BODYLENGTH
1.0 inch [25 mm]	3.74 inches [95.0 mm]
2.0 inches [50 mm]	4.74 inches [120.4 mm]
3.0 inches [75 mm]	5.74 inches [145.8 mm]
4.0 inches [100 mm]	6.74 inches [171.2 mm]
6.0 inches [150 mm]	8.74 inches [222.0 mm]
8.0 inches [200 mm]	10.74 inches [272.8 mm]

**LRX-19-R Connections Table**

Function	Cable Color
DC Power Input	Red
Ground	Black
Analog output	Green
SenSet™	White

UNLESS OTHERWISE SPECIFIED:

- DO NOT SCALE DRAWING
- DIMENSIONS ARE IN INCHES
- INTERPRET DIM/TOL PER ANSI Y14.5M-1994
- DEBURR/BREAK SHARP EDGES
- DIMS ARE BEFORE FINISH
- (DATA) FOR REFERENCE ONLY

CONTRACT NO. --	
DRAWN BY: G E Miller	DATE: 06-21-14
ENGINEER: Ed Herceg	---
CHECKED BY: Ed Herceg	06-21-14
QA: --	---
MFG: --	---
APPROVED BY: --	---

TOLERANCES  
 DECIMAL: XX ±.010 ANGULAR: ±.5°  
 XXX ±.005  
 THIRD ANGLE PROJECTION

**ALLIANCE SENSORS GROUP**  
 A DIVISION OF H. G. SCHAEVITZ LLC  
 Moorestown, New Jersey USA [alliancesensors.com](http://alliancesensors.com)

**LRX-19-R Series LVIT**  
 Outline

SIZE: B	CAGE CODE: N/A	DWG. NO.: 3000-0019-XX	REV: E
FILENAME: 3000-0019-XX_LR-19-R Series LVIT Outline	SCALE: 1:1	RELEASE DATE: --	SHEET 1 OF 1

DWG. NO. 3000-0019-XX REV E LAST 08-29-17 BY: SP